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Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

NT

LumCAT: 2-2684-L
Luminaire: 92.70.412.00
LampCAT: P2141-036-1206-P3090-1
Ballast type: AC

Report No: 2024227-B007	Voltage(V): 35.9300
Test No: 2024227-C007	Current(A): 0.7010
Number of Lamps: 1	Power (W): 25.1860
Lamp flux(lm): 3316.0	PF: 0.0000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2819.71, Efficiency(%): 85.03% , Luminous Efficacy(lm/W): 111.96
Central intensity(cd): 6384.863, Maximum intensity(cd): 6384.863
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.0
[C90/270]Total=35.0
Field angle(10%Imax): [C0/180]Total=65.0
[C90/270]Total=65.0
Maximum s/h(1/2): C0_180=0.57 C90_270=0.57
Maximum s/h(1/4): C0_180=0.61 C90_270=0.61
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 85.03%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.875%

Equipment: GMS1980	Date: 2024/2/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6384.863	0.000	0	0.00%	0.00%
1.0	6353.261	6.095	6.095	0.18%	0.22%
2.0	6276.158	18.127	24.222	0.55%	0.86%
3.0	6174.475	29.778	54	0.90%	1.92%
4.0	6050.846	40.922	94.922	1.23%	3.37%
5.0	5912.587	51.466	146.388	1.55%	5.19%
6.0	5766.061	61.374	207.762	1.85%	7.37%
7.0	5605.270	70.582	278.344	2.13%	9.87%
8.0	5425.533	78.945	357.289	2.38%	12.67%
9.0	5224.801	86.315	443.604	2.60%	15.73%
10.0	5038.846	92.882	536.487	2.80%	19.03%
11.0	4830.725	98.617	635.104	2.97%	22.52%
12.0	4604.901	103.145	738.249	3.11%	26.18%
13.0	4344.330	106.205	844.454	3.20%	29.95%
14.0	4086.392	107.913	952.366	3.25%	33.78%
15.0	3817.189	108.504	1060.87	3.27%	37.62%
16.0	3569.712	108.239	1169.109	3.26%	41.46%
17.0	3306.653	107.083	1276.192	3.23%	45.26%
18.0	3082.000	105.335	1381.527	3.18%	49.00%
19.0	2874.245	103.626	1485.154	3.13%	52.67%
20.0	2669.709	101.470	1586.624	3.06%	56.27%
21.0	2456.614	98.436	1685.059	2.97%	59.76%
22.0	2260.929	94.801	1779.86	2.86%	63.12%
23.0	2085.142	91.192	1871.053	2.75%	66.36%
24.0	1915.939	87.478	1958.531	2.64%	69.46%
25.0	1724.424	82.774	2041.305	2.50%	72.39%
26.0	1523.077	76.658	2117.962	2.31%	75.11%
27.0	1395.718	71.409	2189.371	2.15%	77.65%
28.0	1219.880	66.221	2255.593	2.00%	79.99%
29.0	1112.118	61.012	2316.604	1.84%	82.16%
30.0	965.936	56.107	2372.711	1.69%	84.15%
31.0	822.102	49.759	2422.47	1.50%	85.91%
32.0	697.442	43.533	2466.003	1.31%	87.46%
33.0	581.523	37.679	2503.682	1.14%	88.79%
34.0	479.782	32.118	2535.8	0.97%	89.93%
35.0	400.031	27.324	2563.124	0.82%	90.90%
36.0	334.719	23.395	2586.518	0.71%	91.73%
37.0	289.942	20.373	2606.891	0.61%	92.45%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	249.416	18.003	2624.894	0.54%	93.09%
39.0	210.110	15.685	2640.579	0.47%	93.65%
40.0	169.664	13.245	2653.824	0.40%	94.12%
41.0	140.695	11.052	2664.876	0.33%	94.51%
42.0	120.498	9.490	2674.366	0.29%	94.85%
43.0	103.592	8.301	2682.667	0.25%	95.14%
44.0	90.878	7.340	2690.006	0.22%	95.40%
45.0	80.951	6.604	2696.61	0.20%	95.63%
46.0	72.612	6.006	2702.616	0.18%	95.85%
47.0	66.269	5.524	2708.139	0.17%	96.04%
48.0	61.346	5.159	2713.298	0.16%	96.23%
49.0	57.250	4.870	2718.168	0.15%	96.40%
50.0	53.775	4.629	2722.797	0.14%	96.56%
51.0	50.483	4.411	2727.208	0.13%	96.72%
52.0	47.813	4.218	2731.426	0.13%	96.87%
53.0	45.289	4.050	2735.476	0.12%	97.01%
54.0	43.007	3.892	2739.368	0.12%	97.15%
55.0	40.717	3.737	2743.105	0.11%	97.28%
56.0	38.705	3.589	2746.694	0.11%	97.41%
57.0	36.891	3.456	2750.151	0.10%	97.53%
58.0	35.114	3.330	2753.48	0.10%	97.65%
59.0	33.533	3.209	2756.69	0.10%	97.77%
60.0	32.041	3.098	2759.788	0.09%	97.87%
61.0	30.680	2.993	2762.781	0.09%	97.98%
62.0	29.334	2.892	2765.673	0.09%	98.08%
63.0	28.120	2.794	2768.467	0.08%	98.18%
64.0	26.950	2.702	2771.169	0.08%	98.28%
65.0	25.867	2.614	2773.783	0.08%	98.37%
66.0	24.887	2.532	2776.315	0.08%	98.46%
67.0	23.914	2.454	2778.769	0.07%	98.55%
68.0	23.021	2.378	2781.147	0.07%	98.63%
69.0	22.195	2.307	2783.453	0.07%	98.71%
70.0	21.427	2.240	2785.694	0.07%	98.79%
71.0	20.666	2.176	2787.869	0.07%	98.87%
72.0	19.927	2.111	2789.98	0.06%	98.95%
73.0	19.290	2.051	2792.031	0.06%	99.02%
74.0	18.705	1.998	2794.028	0.06%	99.09%
75.0	18.157	1.948	2795.976	0.06%	99.16%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	17.593	1.898	2797.874	0.06%	99.23%
77.0	17.111	1.850	2799.724	0.06%	99.29%
78.0	16.613	1.805	2801.529	0.05%	99.36%
79.0	16.130	1.759	2803.288	0.05%	99.42%
80.0	15.611	1.711	2805	0.05%	99.48%
81.0	15.128	1.662	2806.662	0.05%	99.54%
82.0	14.638	1.614	2808.276	0.05%	99.59%
83.0	14.155	1.565	2809.841	0.05%	99.65%
84.0	13.672	1.516	2811.357	0.05%	99.70%
85.0	13.241	1.469	2812.826	0.04%	99.76%
86.0	12.904	1.429	2814.255	0.04%	99.81%
87.0	12.634	1.398	2815.653	0.04%	99.86%
88.0	12.378	1.370	2817.023	0.04%	99.90%
89.0	12.217	1.348	2818.371	0.04%	99.95%
90.0	12.136	1.335	2819.706	0.04%	100.00%

Zonal flux distribution table

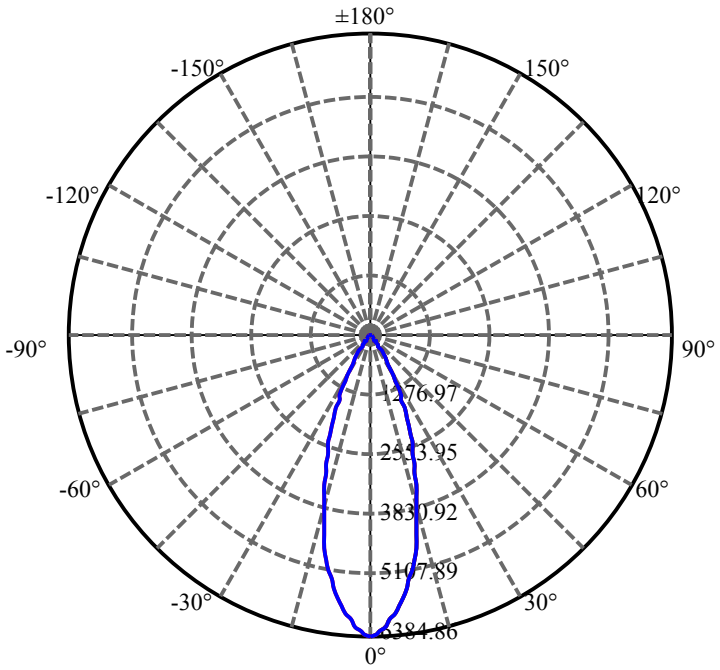
ZONAL LUMEN SUMMARY

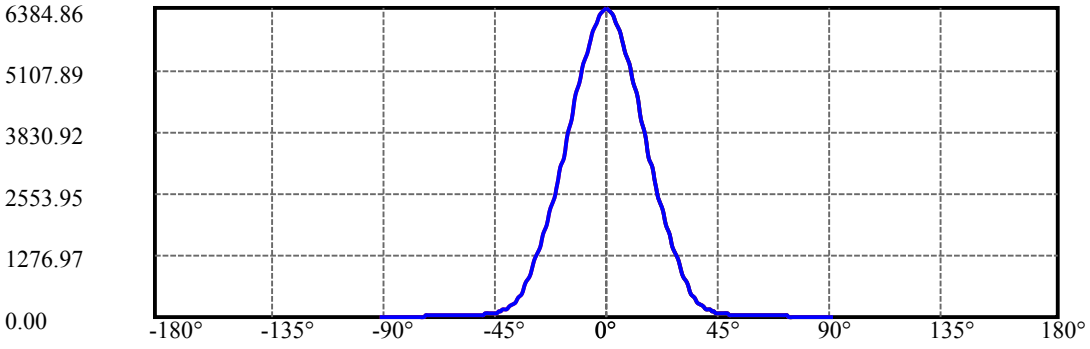
Zone	Lumens	%Lamp	%Fixt
0-30	2372.71	71.55%	84.15%
0-40	2653.82	80.03%	94.12%
0-60	2759.79	83.23%	97.87%
0-90	2818.37	84.99%	99.95%
0-120	2818.37	84.99%	99.95%
0-180	2819.71	85.03%	100.00%
60-90	58.58	1.77%	2.08%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-28.00	2255.77	68.03%	80.00%

ZONAL LUMEN SUMMARY

0-10	536.49
10-20	1050.14
20-30	786.09
30-40	281.11
40-50	68.97
50-60	36.99
60-70	25.91
70-80	19.31
80-90	13.37
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

Light Distribution Curve [Unit:cd]





C0(Max):

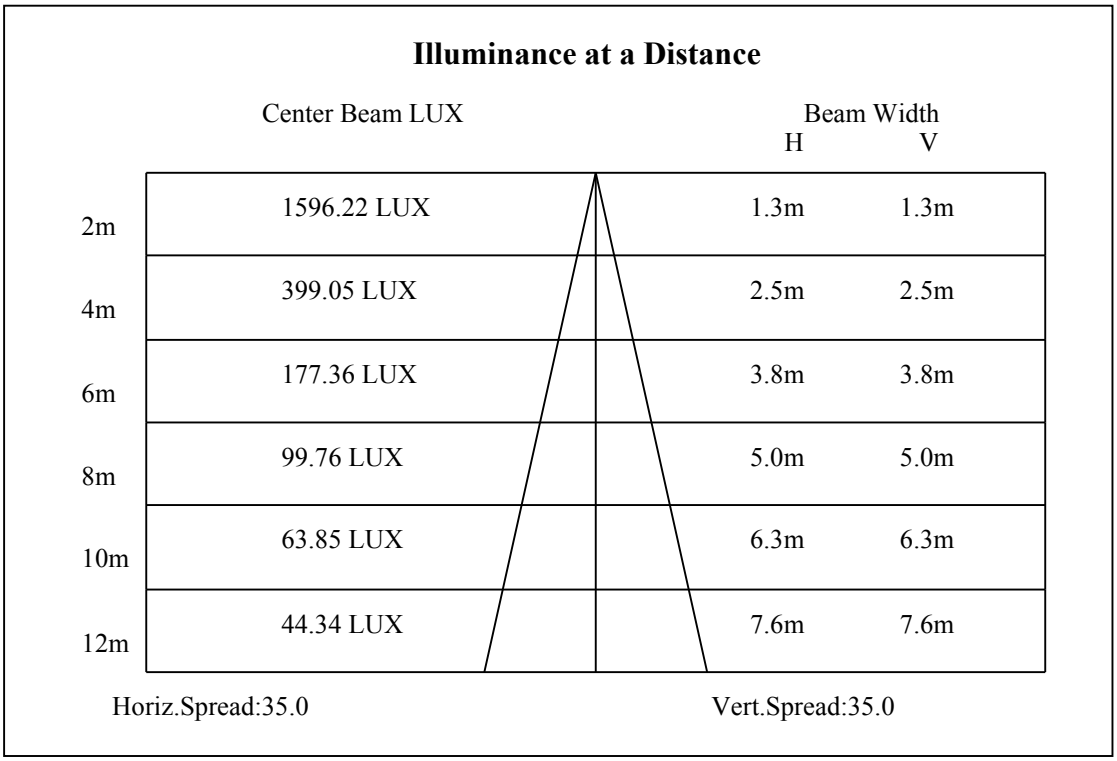
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:32.5 Right:32.5
:C90/270Left:32.5 Right:32.5

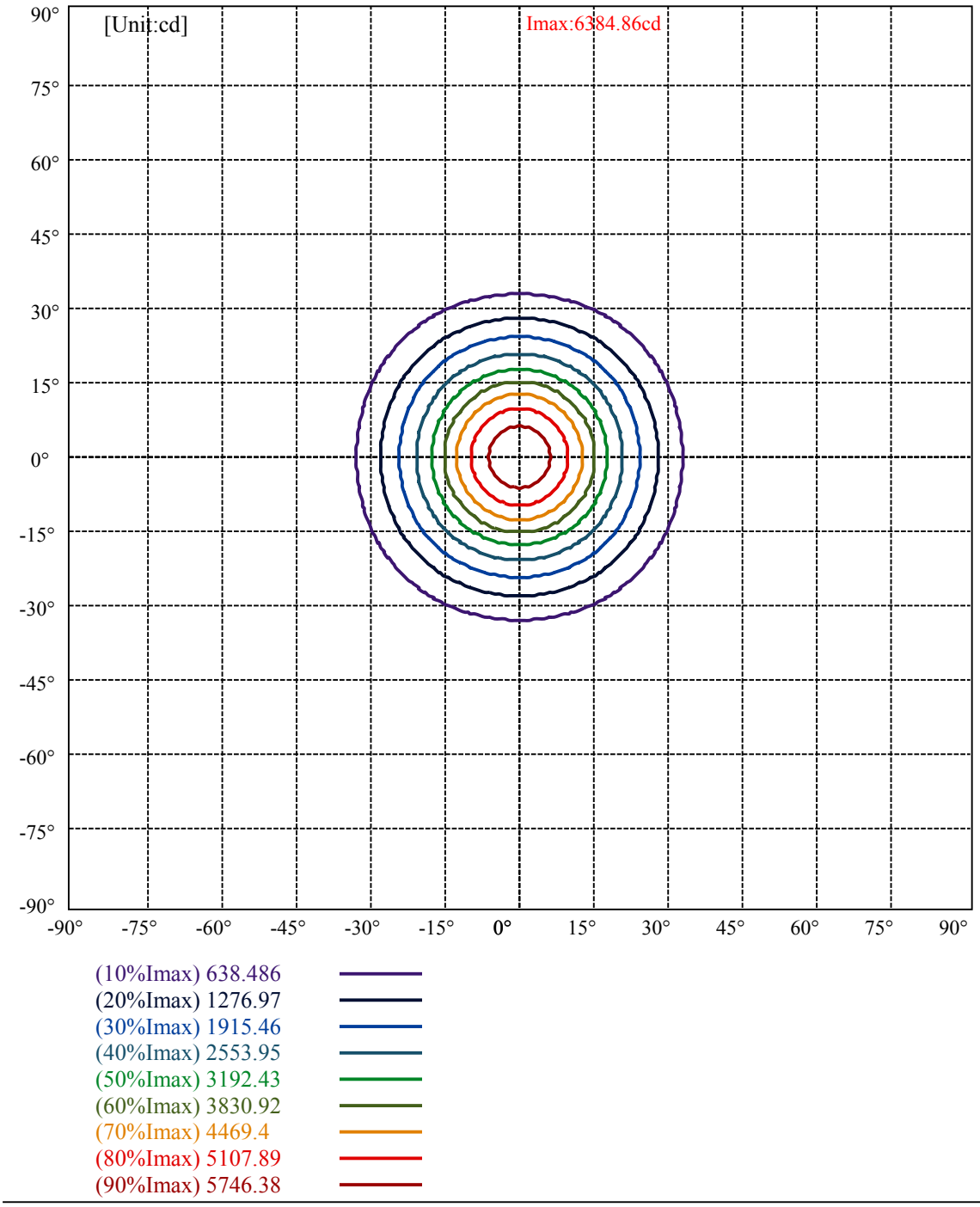
Beam Angle(50%Imax):C0/180Left:17.5 Right:17.5
:C90/270Left:17.5 Right:17.5

Lux distance Curve



Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

ISO-Intensity(V-H)

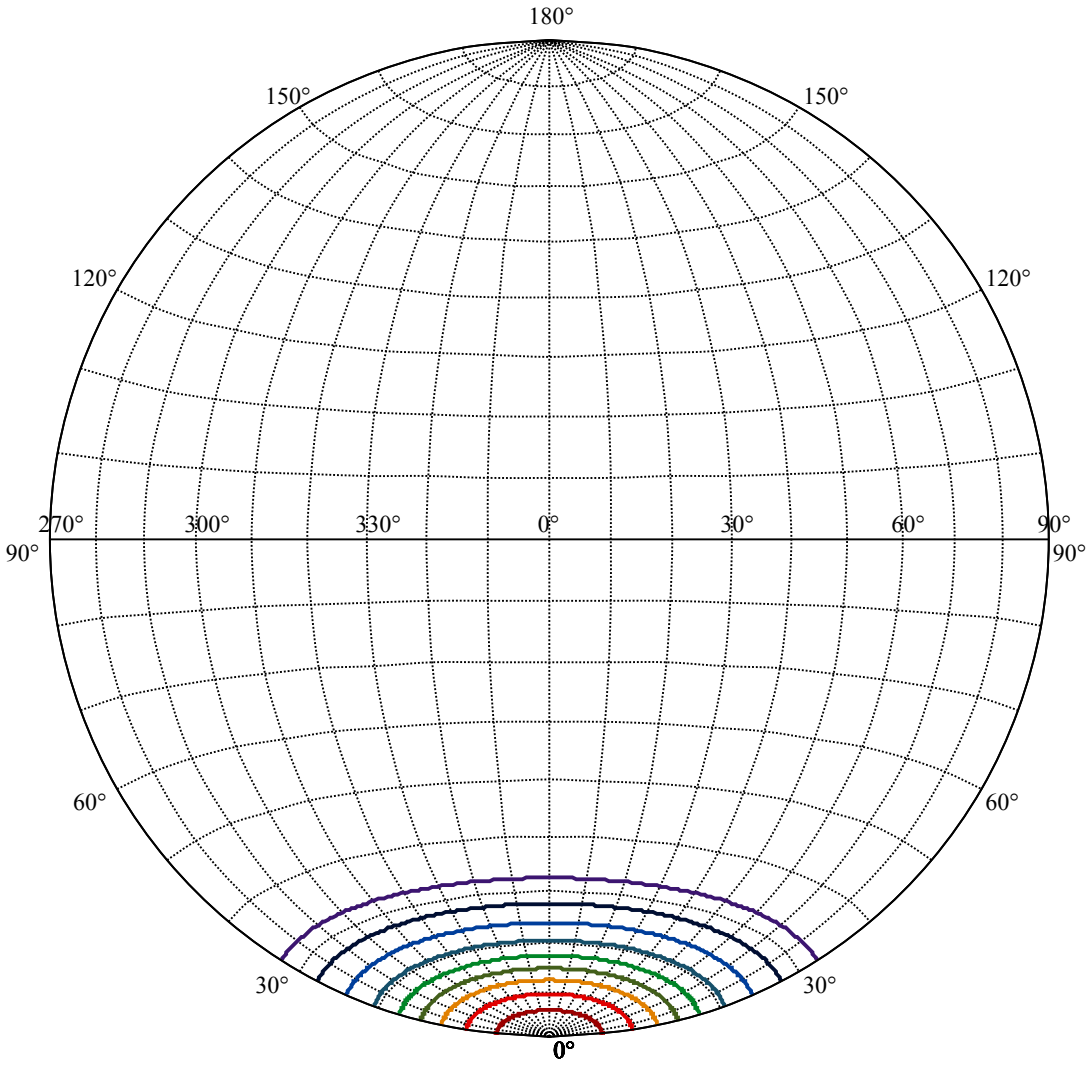


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web

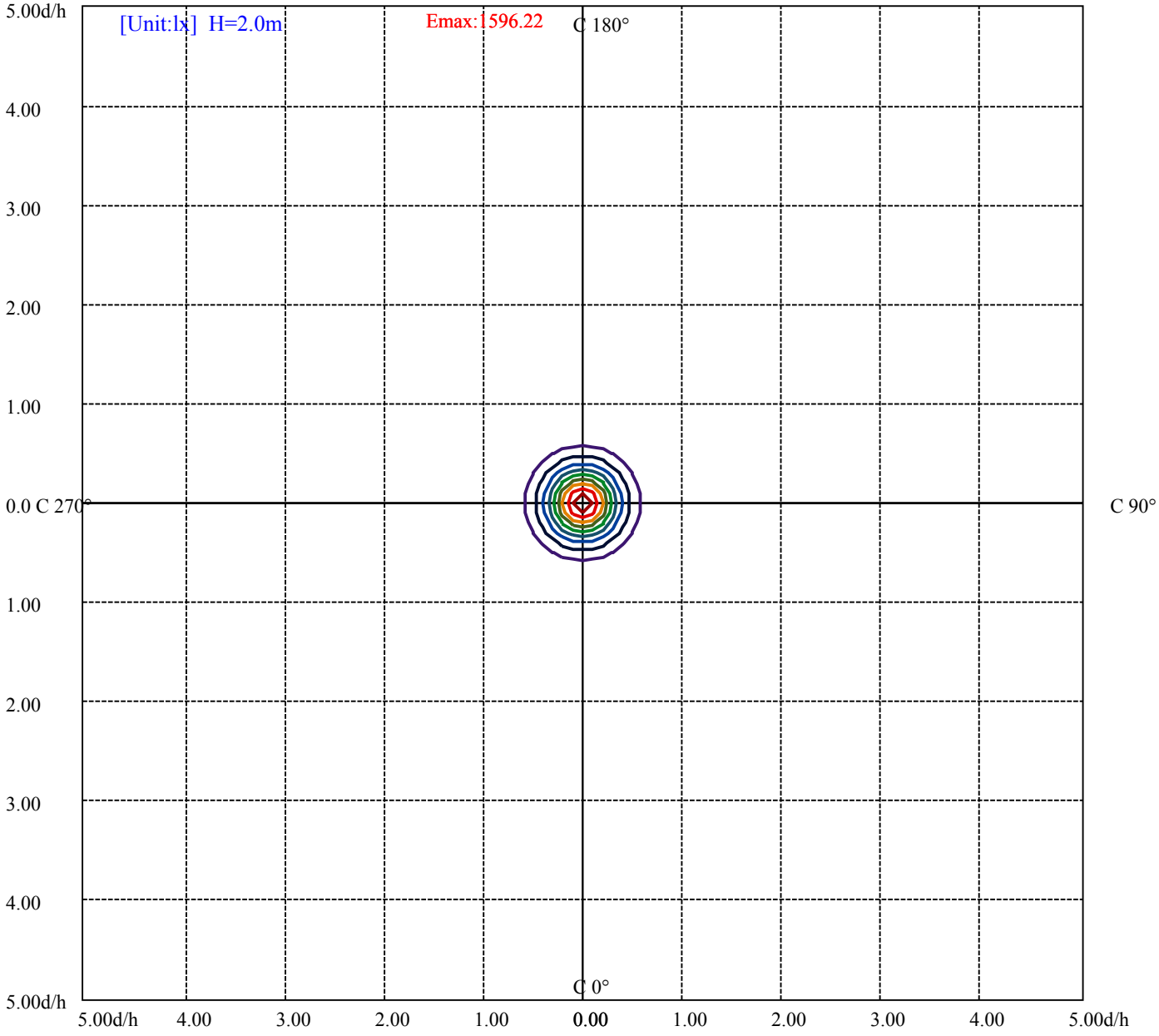


House [Unit:cd] Road

Imax:6384.86

(10%Imax) 638.486
(20%Imax) 1276.97
(30%Imax) 1915.46
(40%Imax) 2553.95
(50%Imax) 3192.43
(60%Imax) 3830.92
(70%Imax) 4469.4
(80%Imax) 5107.89
(90%Imax) 5746.38

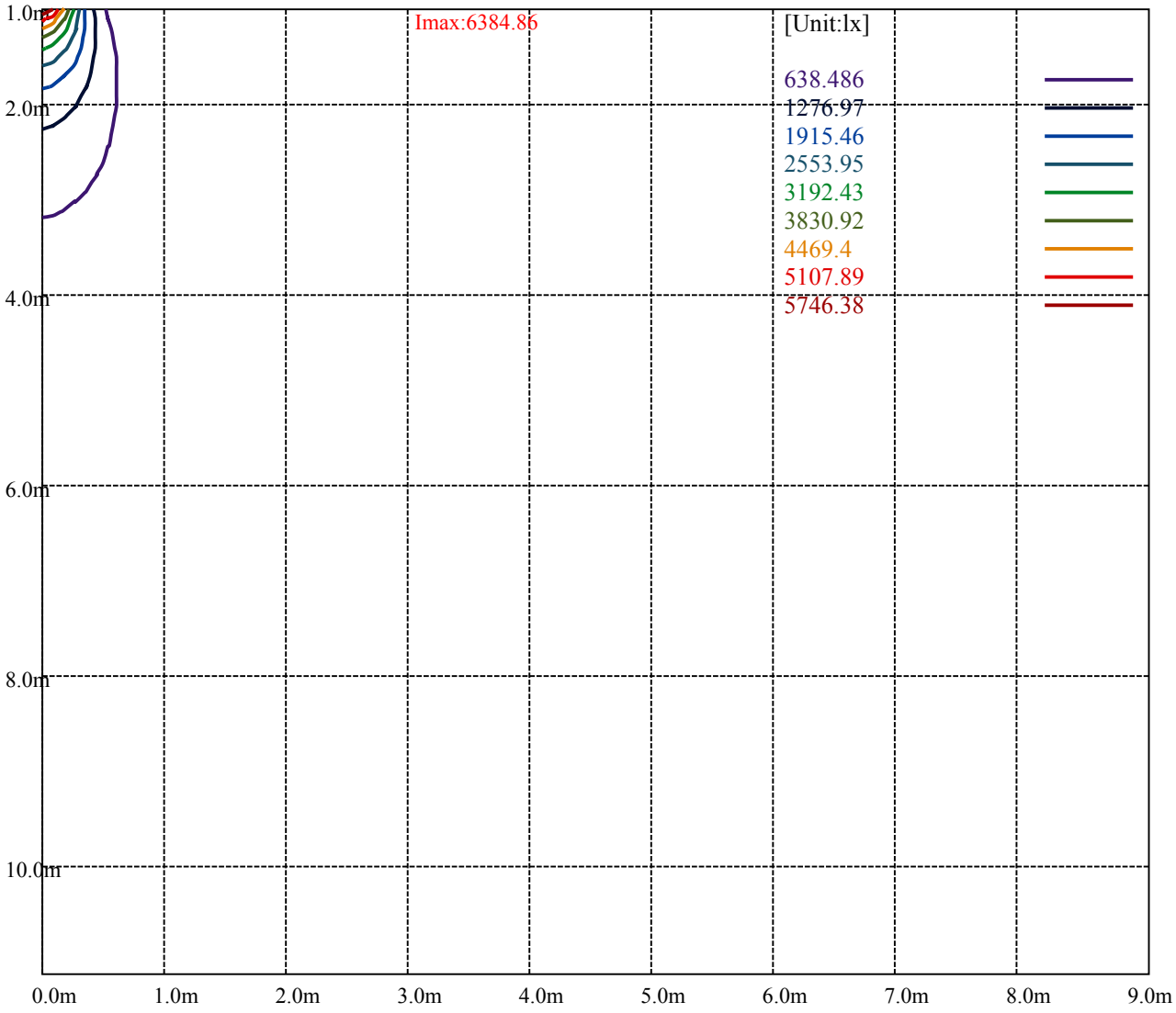
ISO illuminance diagram



(10%Emax) 159.6215
(20%Emax) 319.2425
(30%Emax) 478.865
(40%Emax) 638.485
(50%Emax) 798.1075
(60%Emax) 957.7275
(70%Emax) 1117.35
(80%Emax) 1276.973
(90%Emax) 1436.593

Equipment: GMS1980
Temperature(°C): 25.0
Date: 2024/2/27
Humidity(%): 60.0%
Operator: NT07
Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

NT 2-2684-L

Luminance Limitting Curve(no luminous side)

Luminance Table

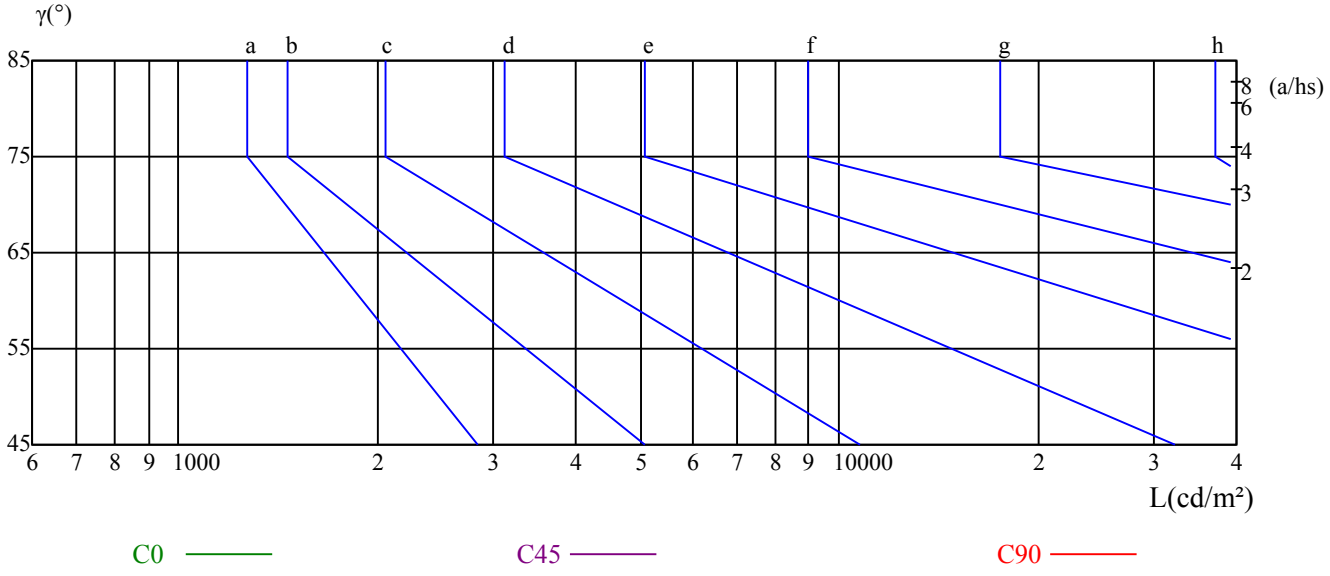
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limitting Curve



Equipment: GMS1980
Temperature(°C): 25.0

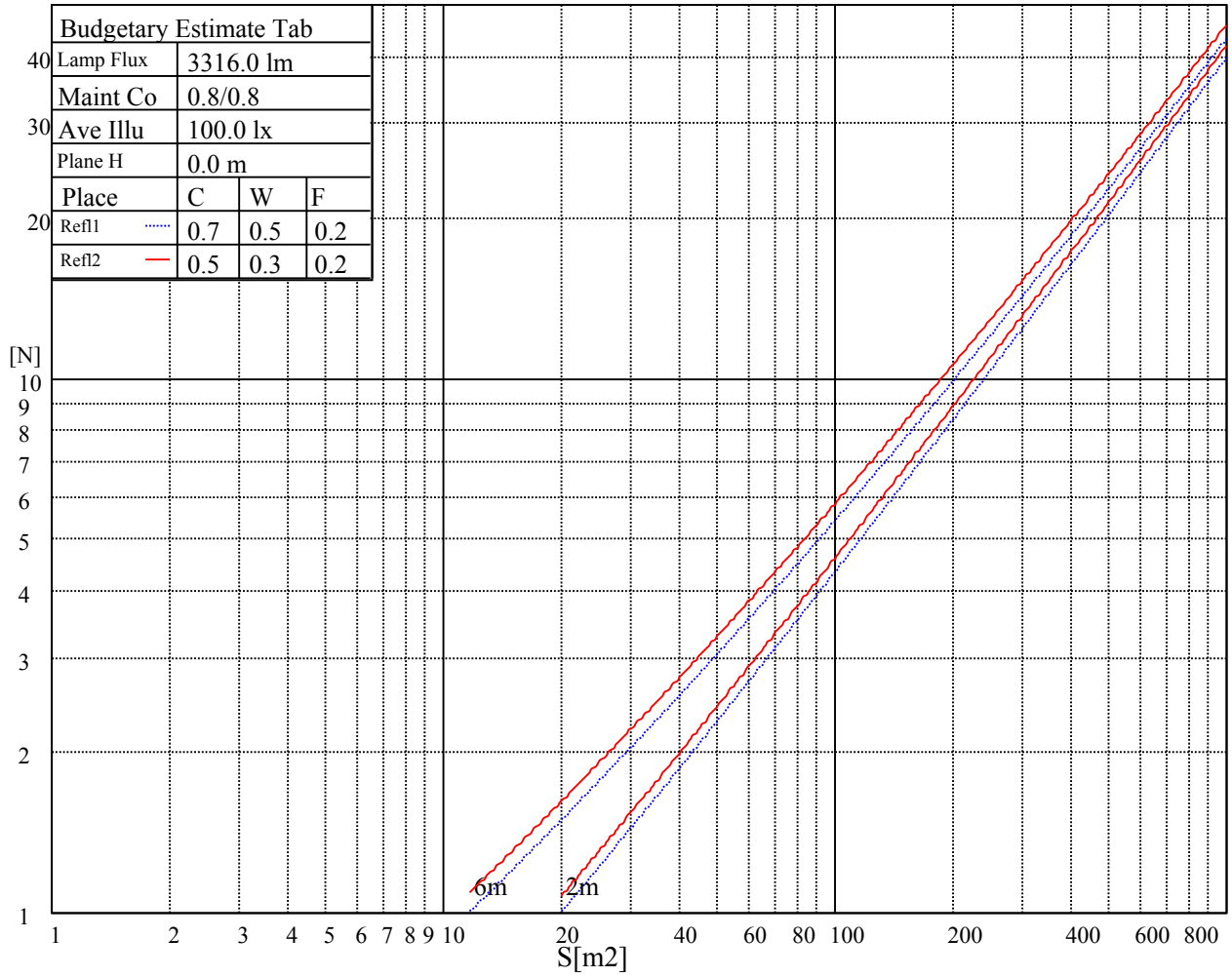
Date: 2024/2/27
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X Y										
2H 2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H 2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H 4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H 4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
Variation with the observer position at spacings:										
S = 1.0H	非数字/非数字					非数字/非数字				
S = 1.5H	非数字/非数字					非数字/非数字				
S = 2.0H	非数字/非数字					非数字/非数字				
Standard tables:	BK0					BK0				
Uncorrected UGR	负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table

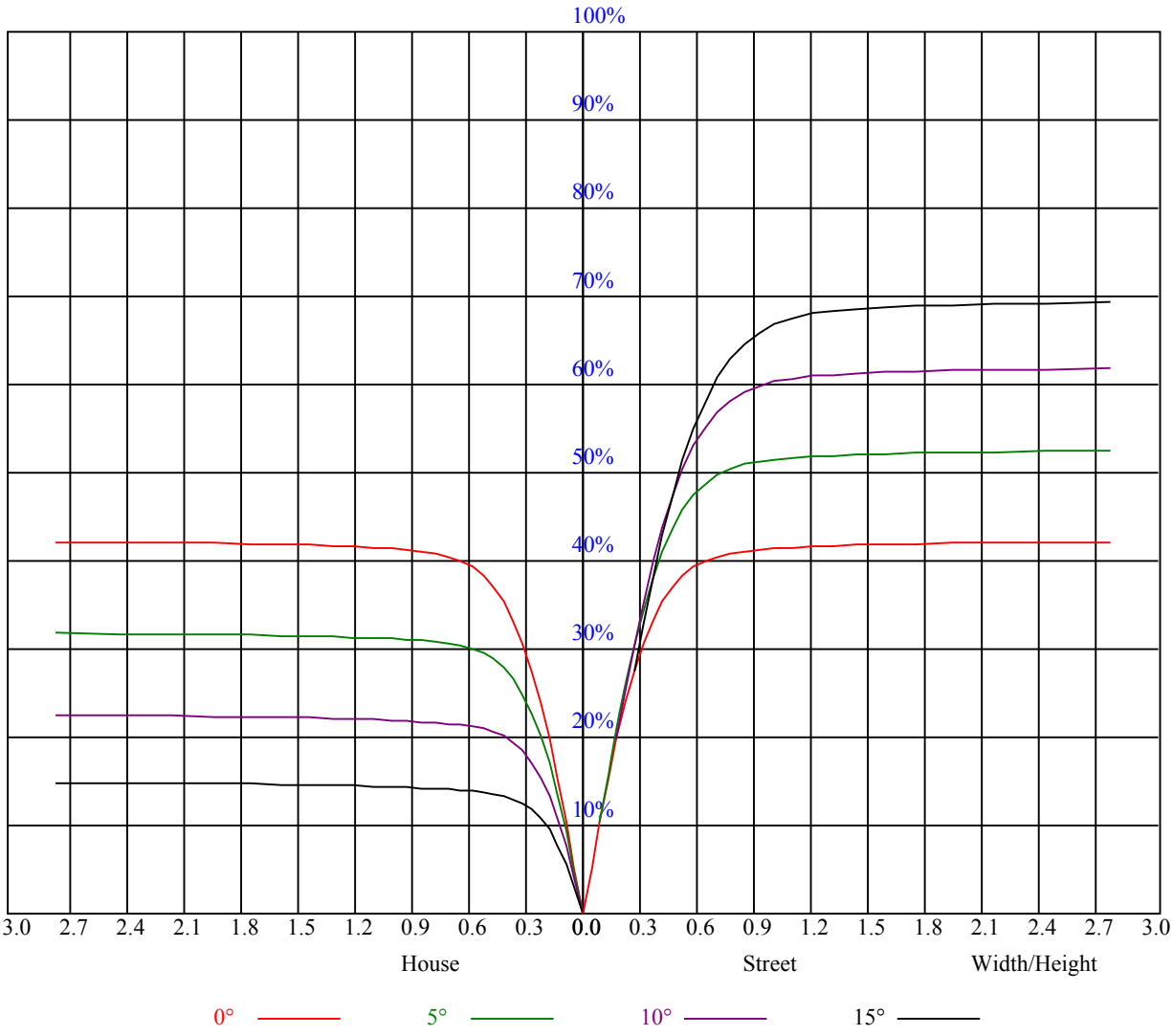


Equipment: GMS1980 Date: 2024/2/27 Operator: NT07
Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 7.65

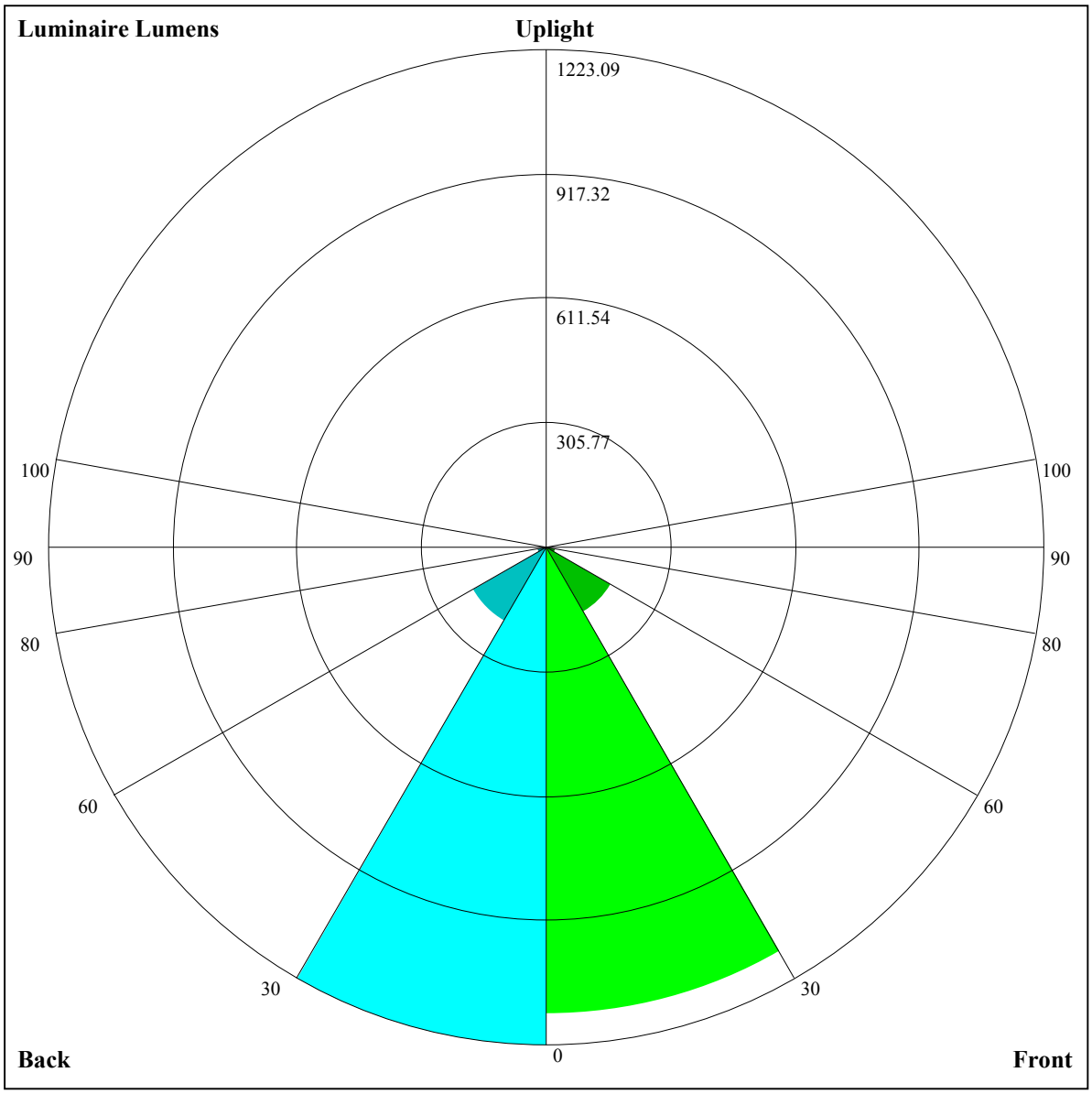
Utilization factor table for indoor luminaire

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.01	1.01	1.01	0.99	0.99	0.99	0.94	0.94	0.94	0.90	0.90	0.90	0.87	0.87	0.87	0.85
1	0.95	0.93	0.91	0.93	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80
2	0.89	0.86	0.83	0.87	0.84	0.82	0.85	0.82	0.80	0.82	0.80	0.78	0.80	0.78	0.77	0.75
3	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.71
4	0.79	0.75	0.72	0.78	0.74	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.73	0.71	0.69	0.68
5	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.71	0.68	0.66	0.70	0.67	0.65	0.64
6	0.71	0.67	0.64	0.71	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.61
7	0.68	0.64	0.60	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.65	0.62	0.59	0.58
8	0.65	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.57	0.56
9	0.62	0.58	0.55	0.62	0.58	0.55	0.61	0.57	0.55	0.60	0.57	0.54	0.60	0.57	0.54	0.53
10	0.60	0.55	0.52	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.55	0.52	0.57	0.54	0.52	0.51

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/2/27	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1147.84,FM=182.3,FH=22.22,FVH=7.28
BL=1223.09,BM=208.52,BH=23.05,BVH=7.44
UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	6367.89	6238.56	6115.07	5993.93	5851.72	5647.48	5473.08	5285.23	5091.52
45.0	6407.69	6371.99	6282.45	6157.21	6000.96	5864.60	5708.93	5543.31	5319.75
90.0	6356.77	6266.06	6147.85	6030.80	5874.55	5720.63	5557.36	5380.62	5152.96
135.0	6407.10	6371.40	6277.77	6167.74	6057.72	5908.49	5762.18	5611.20	5452.01
180.0	6367.89	6404.76	6393.06	6319.90	6238.56	6133.22	6006.22	5885.08	5738.77
225.0	6407.69	6373.16	6289.47	6191.15	6085.23	5986.33	5831.83	5680.84	5527.51
270.0	6356.77	6409.44	6389.55	6329.27	6212.22	6100.44	5993.93	5831.24	5673.81
315.0	6407.10	6390.72	6314.05	6205.78	6085.81	5939.51	5794.96	5624.66	5447.92
360.0	6367.89	6238.56	6115.07	5993.93	5851.72	5647.48	5473.08	5285.23	5091.52

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4855.09	4650.84	4374.03	4131.16	3879.52	3572.86	3333.50	3115.21	2916.23
45.0	5128.39	4942.87	4752.67	4491.66	4258.74	4008.26	3689.90	3446.45	3160.86
90.0	4968.62	4776.66	4508.63	4268.69	3960.86	3716.82	3476.30	3247.47	2991.73
135.0	5238.41	5061.67	4865.03	4597.00	4355.30	4104.83	3793.49	3546.52	3263.27
180.0	5549.16	5391.15	5223.19	5039.43	4775.49	4547.26	4310.83	4067.37	3766.57
225.0	5365.40	5150.04	4958.67	4755.60	4527.36	4221.29	3977.25	3671.76	3432.40
270.0	5474.84	5307.46	5128.39	4933.51	4661.38	4427.87	4176.22	3923.99	3615.58
315.0	5218.51	5030.07	4835.19	4622.17	4335.99	4091.95	3780.03	3538.91	3306.58
360.0	4855.09	4650.84	4374.03	4131.16	3879.52	3572.86	3333.50	3115.21	2916.23

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2686.24	2501.31	2323.99	2103.36	1938.32	1776.80	1619.96	1327.35	1145.64
45.0	2957.79	2768.76	2537.59	2356.17	2178.85	2008.55	1845.86	1647.47	1494.72
90.0	2798.02	2608.41	2424.06	2197.58	2022.01	1855.22	1656.25	1505.26	1134.87
135.0	3060.20	2870.59	2680.97	2438.69	2263.71	2092.24	1926.62	1725.30	1564.95
180.0	3528.38	3299.56	3027.43	2822.01	2586.17	2405.92	2229.18	2017.33	1852.88
225.0	3207.68	2951.35	2763.49	2569.20	2342.71	2170.66	2005.62	1844.69	1650.39
270.0	3380.90	3159.69	2954.86	2709.65	2520.04	2302.33	2130.28	1965.24	1764.51
315.0	3036.79	2834.30	2645.28	2456.25	2235.62	2069.41	1913.74	1762.76	1576.65
360.0	2686.24	2501.31	2323.99	2103.36	1938.32	1776.80	1619.96	1327.35	1145.64

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1145.64	980.66	853.38	731.24	587.27	488.84	412.76	336.15	286.00
45.0	1342.56	1162.32	1027.13	896.04	739.78	625.66	523.83	424.35	360.56
90.0	1134.87	1033.33	900.72	744.76	627.77	520.21	437.40	356.75	302.80
135.0	1411.04	1264.14	1089.75	957.49	795.96	671.31	560.12	468.82	380.45
180.0	1698.38	1545.64	1397.58	1213.23	1074.53	938.17	774.31	651.41	546.07
225.0	1497.06	1164.13	1164.13	1059.55	890.71	761.79	610.62	508.79	427.21
270.0	1610.01	1457.27	1312.72	1137.15	1002.55	869.70	742.71	596.40	497.50
315.0	1326.18	1151.55	1151.55	988.04	858.23	703.85	590.43	495.57	399.65
360.0	1145.64	980.66	853.38	731.24	587.27	488.84	412.76	336.15	286.00

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	243.40	206.76	175.04	143.50	123.48	103.23	90.59	80.23	70.58
45.0	307.30	295.60	240.76	177.21	151.28	125.94	109.96	96.45	85.38
90.0	258.26	220.63	180.89	155.49	134.37	112.77	98.73	87.26	76.37
135.0	323.10	298.52	298.52	188.62	161.76	140.10	117.69	102.77	91.18
180.0	440.15	373.43	304.38	304.38	249.19	185.57	152.45	131.62	114.65
225.0	347.39	296.59	251.82	214.72	175.33	149.76	129.63	109.20	95.68
270.0	420.25	341.83	303.21	303.21	197.81	168.49	144.84	120.38	104.99
315.0	337.91	286.18	240.70	193.77	164.10	139.69	120.09	100.83	88.19
360.0	243.40	206.76	175.04	143.50	123.48	103.23	90.59	80.23	70.58

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	64.73	60.04	56.53	52.61	49.92	47.52	44.71	42.55	40.61
45.0	75.20	68.88	63.73	58.52	54.84	51.79	48.46	46.12	43.83
90.0	69.58	64.20	59.11	55.65	52.61	49.98	46.99	44.59	42.43
135.0	81.58	72.63	66.89	62.15	57.35	53.90	50.33	47.87	45.53
180.0	100.66	87.02	78.71	71.98	66.60	61.21	57.47	53.96	50.33
225.0	85.15	77.02	69.00	63.85	59.69	55.42	52.20	49.51	46.53
270.0	92.35	81.87	72.39	66.48	61.74	58.11	54.07	51.21	48.63
315.0	78.36	69.23	63.79	59.52	55.25	52.26	49.63	46.70	44.42
360.0	64.73	60.04	56.53	52.61	49.92	47.52	44.71	42.55	40.61

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	38.80	36.64	35.05	33.59	31.84	30.55	29.50	28.09	26.92
45.0	41.32	39.33	37.45	35.82	33.94	32.54	31.13	29.90	28.44
90.0	40.44	38.04	36.28	34.35	32.89	31.49	30.02	28.85	27.74
135.0	43.37	40.79	38.86	37.22	35.58	33.65	32.19	30.84	29.44
180.0	47.87	45.41	42.66	40.67	38.27	36.58	35.00	33.47	31.66
225.0	44.18	42.02	39.68	37.86	36.11	34.59	32.77	31.31	30.08
270.0	45.71	43.54	41.49	39.15	37.34	35.41	33.94	32.48	31.08
315.0	42.37	39.97	38.16	36.46	34.94	33.47	31.78	30.49	29.32
360.0	38.80	36.64	35.05	33.59	31.84	30.55	29.50	28.09	26.92

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.93	24.93	24.05	23.12	22.18	21.54	20.78	20.07	19.49
45.0	27.33	26.28	25.22	24.35	23.23	22.41	21.77	20.89	20.13
90.0	26.63	25.52	24.64	23.70	22.82	21.95	21.24	20.54	19.66
135.0	28.32	27.10	25.93	25.05	24.17	23.06	22.24	21.59	20.66
180.0	30.43	29.20	28.03	26.86	25.69	24.81	23.82	22.77	22.00
225.0	28.85	27.39	26.28	25.16	24.29	23.41	22.36	21.71	21.07
270.0	29.55	28.44	27.21	26.16	25.05	24.23	23.29	22.47	21.59
315.0	27.92	26.74	25.57	24.70	23.88	22.77	22.06	21.36	20.72
360.0	25.93	24.93	24.05	23.12	22.18	21.54	20.78	20.07	19.49

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.79	18.32	17.79	17.21	16.80	16.39	15.68	15.27	14.92
45.0	19.49	18.90	18.26	17.67	17.26	16.85	16.33	15.74	15.27
90.0	19.08	18.43	17.91	17.44	16.97	16.44	15.86	15.39	15.04
135.0	19.96	19.37	18.79	18.14	17.56	17.15	16.68	16.04	15.51
180.0	21.19	20.48	19.78	19.20	18.55	17.97	17.50	17.03	16.39
225.0	20.13	19.49	18.96	18.43	17.79	17.32	16.91	16.50	15.86
270.0	20.95	20.07	19.43	18.90	18.26	17.67	17.26	16.85	16.27
315.0	19.84	19.25	18.73	18.26	17.56	17.09	16.68	16.21	15.63
360.0	18.79	18.32	17.79	17.21	16.80	16.39	15.68	15.27	14.92

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	14.28	13.69	13.40	13.05	12.76	12.41	12.23	12.11	12.17
45.0	14.86	14.40	13.58	13.28	13.05	12.70	12.41	12.23	12.11
90.0	14.63	13.81	13.40	13.11	12.87	12.52	12.35	12.06	12.11
135.0	15.04	14.69	13.93	13.46	13.17	12.87	12.58	12.41	12.11
180.0	15.98	15.39	15.10	14.57	13.81	13.34	13.11	12.76	12.52
225.0	15.39	15.04	14.63	13.93	13.34	13.11	12.82	12.52	12.29
270.0	15.68	15.27	14.92	14.34	13.64	13.28	12.99	12.64	12.29
315.0	15.16	14.81	14.28	13.64	13.28	12.99	12.58	12.29	12.11
360.0	14.28	13.69	13.40	13.05	12.76	12.41	12.23	12.11	12.17

Intensity data(cd)

C/γ(°)	90.0
0.0	12.11
45.0	12.11
90.0	12.11
135.0	12.17
180.0	12.35
225.0	12.06
270.0	12.11
315.0	12.06
360.0	12.11